

Listing and Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1 1. (currently amended) A method for processing a voice call over an Internet by
2 an Internet telephone having an Internet interface device and a wireless device, the
3 method comprising the steps of:
4 receiving, by the Internet interface device, a signal from a cable network, the
5 signal representing Internet protocol data packets of the voice call and being both
6 modulated in a first format and compressed to match a format of the cable network;
7 demodulating, by the Internet interface device, the signal modulated in the first
8 format;
9 decompressing, by the Internet interface device, the demodulated signal;
10 compressing, by the Internet interface device, the decompressed signal into a
11 format of a home environment;
12 modulating, by the Internet interface device, the compressed signal into a
13 second format;
14 wirelessly transmitting, by the Internet interface device, the signal ~~compressed in~~
15 ~~the format of the home environment and~~ modulated in the second format to a the
16 wireless device; and
17 demodulating and decompressing the signal modulated in the second format in
18 the wireless device.

1 2. (original) The method of claim 1, wherein the first format is H.323 compliant.

1 3. (original) The method of claim 1, wherein the first format comprises a same
2 modulation scheme as the second format.

1 4. (original) The method of claim 1, wherein the first format comprises a different
2 modulation scheme as the second format.

1 5. (currently amended) ~~A system~~ An Internet telephone for processing a voice
2 call over an iInternet, comprising:

3 means for receiving, demodulating and decompressing a signal representing
4 iInternet protocol data packets of the voice call, the signal being received from a cable
5 network, modulated in a first format and compressed in a format of the cable network;

6 means for modulating the signal into a second format and compressing the
7 signal into a format of a home environment for wireless transmission of the modulated
8 and compressed signal; and

9 a wireless device including means for demodulating and decompressing the
10 signal for completion of the voice call.

1 6. (currently amended) The Internet phone ~~system~~ of claim 5, wherein the first
2 format is H.323 compliant.

1 7. (currently amended) The Internet phone ~~system~~ of claim 5, wherein the first
2 format comprises a same modulation scheme as the second format.

1 8. (currently amended) The Internet phone ~~method~~ of claim 5 ~~4~~, wherein the first
2 format comprises a different modulation scheme as the second format.
